TABLE XI-6

Summary of Costs and Exposure Risks for Alternative 2-Subcase 1:
Glass Stored in Offsite Geologic Storage and
Decontaminated Salt Cake Stored in Onsite Underground Waste Tanks

Event	*Population Dose for Maximum Year, man-rem*	*Probability, events/year*	*Maximum Risk, man-rem/year*
Removal From Tanks			
Routine Releases	1.4	1.0	1.4
Sludge Spill	1.5×10^{1}	5.0×10^{-2}	7.5×10^{-1}
Spill at Inlet	3.7×10^{1}	5.0×10^{-2}	1.9
Tornado	5.4×10^{1}	6.0×10^{-4}	3.2×10^{-2}
Spill	1.1×10^{3}	5.0×10^{-3}	5.4
Explosion	3.0×10^{4}	1.0×10^{-4}	3.0
Sabotage	3.5×10^{5}	1.0×10^{-5}	3.5
Below-Ground Leaks	1.7×10^{5}	1.0×10^{-5}	1.7
Processing			
Routine Releases	3.0	1.0	3.0
Process Incidents	4.2×10^{-1}	1.0	4.2×10^{-1}
Sabotage	8.9×10^{4}	1.0×10^{-5}	8.9×10^{-1}
Airplane Crash	3.1×10^{2}	7.0×10^{-8}	2.2×10^{-5}
Transportation			
Routine Exposures	6.3×10^{1}	1.3×10^{-4}	6.3×10^{1}
Accidents	1.2×10^{4}	2.1×10^{-5}	1.6×10^{-2}
Storage			
Expected Releases	1.3×10^{2}	1.0	1.3×10^{2}

Time-Integrated Risk, man-rem (300 yr)	6.5×10^{2}
Risk Value at $1000/man-rem, millions	0.65
Budgetary Cost, millions	$3600
Total Cost, millions	$3600.7
Incremental Cost-Risk, dollars/man-rem	$132,000
Time-Integrated Risk, man-rem (10,000 yr)	6.5×10^{2}
Natural Background Exposure, man-rem (10,000 yr)	1.0×10^{10}
Possible Waste Management Health Effects	0.1
Health Effects from Natural Background	2,000,000